IN THE CLAIMS

No amendments to the claims are made. The claims are reproduced for the Examiner's convenience below:

36.   (PREVIOUSLY AMENDED) A method of monitoring an execution of a query performed by a database system having a query coordinator and at least one data server, wherein the query execution comprises at least one execution thread, the method comprising the steps of:

for each thread, generating first execution trace information in the query coordinator, wherein the first execution trace information comprises an execution plan in terms of one or more operator trees;

for each thread, generating second execution trace information in the data server; and

writing the first execution trace information and the second execution trace information to at least one execution log file.

37.   (CANCELED)

38.   (PREVIOUSLY PRESENTED) The method of claim 37, wherein the first execution trace information further comprises operator dispatch information, operator start times and operator stop times.

39.   (PREVIOUSLY PRESENTED) The method of claim 36, wherein the second execution trace information includes a session identifier (ID) and a query ID.

40.   (PREVIOUSLY PRESENTED) The method of claim 39, wherein the second execution trace information further includes, for each operator:

an identifier (ID) for the operator;

a start time stamp; and

a finish time stamp.

-2-

41.   (PREVIOUSLY PRESENTED) The method of claim 40, wherein the start time stamp and the finish time stamp reference a logical time.

42.   (PREVIOUSLY PRESENTED) The method of claim 40, wherein the start time stamp and the finish time stamp reference a clock time.

43.   (PREVIOUSLY PRESENTED) The method of claim 36, wherein the first execution trace information and the second execution trace information are written to a single file.

44.   (PREVIOUSLY PRESENTED) The method of claim 36, wherein the first execution trace information and the second trace information are written to different files.

45.   (PREVIOUSLY PRESENTED) The method of claim 36, further comprising the step of reconstructing the execution trace information from the log file.

46.   (PREVIOUSLY PRESENTED) The method of claim 36, further comprising the steps of:

accepting a presentation command;

reconstructing the execution trace information according to the thread ID, the time stamp and the presentation command; and

presenting the reconstructed execution trace information.

47.   (PREVIOUSLY PRESENTED) The method of claim 36, wherein the steps of generating first execution trace information in the query coordinator and generating second execution trace information in the data server is performed while executing the query.

48.   (PREVIOUSLY PRESENTED) The method of claim 36, wherein the first execution trace information and the second execution trace information include a thread ID and a time stamp, and the method further comprises the step of:

-3-

G&C 30145.344-US-01

synchronizing the execution trace records according to the time stamp.

49.   (PREVIOUSLY AMENDED) An apparatus for monitoring an execution of a query performed by a database system having a query coordinator and at least one data server, wherein the query execution comprises at least one execution thread, the apparatus comprising:

means for generating first execution trace information for each thread in the query coordinator, wherein the first execution trace information comprises an execution plan in terms of one or more operator trees;

means for generating second execution trace information for each thread in the data server; and

means for writing the first execution trace information and the second execution trace information to at least one execution log file.

50.   (CANCELED)

51.   (PREVIOUSLY PRESENTED) The apparatus of claim 50, wherein the first execution trace information further comprises operator dispatch information, operator start times and operator stop times.

52.   (PREVIOUSLY PRESENTED) The apparatus of claim 49, wherein the second execution trace information includes a session identifier (ID) and a query ID.

53.   (PREVIOUSLY PRESENTED) The apparatus of claim 52, wherein the second execution trace information further includes, for each operator:

an identifier (ID) for the operator;

a start time stamp; and

a finish time stamp.

-4-

G&C 30145.344-US-01

54.   (PREVIOUSLY PRESENTED) The apparatus of claim 53, wherein the start time stamp and the finish time stamp reference a logical time.

55.   (PREVIOUSLY PRESENTED) The apparatus of claim 53, wherein the start time stamp and the finish time stamp reference a clock time.

56.   (PREVIOUSLY PRESENTED) The apparatus of claim 49, wherein the first execution trace information and the second execution trace information are written to a single file.

57.   (PREVIOUSLY PRESENTED) The apparatus of claim 49, wherein the first execution trace information and the second trace information are written to different files.

58.   (PREVIOUSLY PRESENTED) The apparatus of claim 49, further comprising means for reconstructing the execution trace information from the log file.

59.   (PREVIOUSLY PRESENTED) The apparatus of claim 49, further comprising:
means for accepting a presentation command;
means for reconstructing the execution trace information according to the thread ID, the time stamp and the presentation command; and
means for presenting the reconstructed execution trace information.

60.   (PREVIOUSLY PRESENTED) The apparatus of claim 49, wherein first execution trace information is generated in the query coordinator and the second execution trace information is generated in the data server while the query is executed.

61.   (PREVIOUSLY PRESENTED) The apparatus of claim 49, wherein the first execution trace information and the second execution trace information include a thread ID and a time stamp, and the apparatus further comprises:
means for synchronizing the execution trace records according to the time stamp.

-5-

G&C 30145.344-US-01

62.   (PREVIOUSLY AMENDED) A program storage device, readable by a computer, tangibly embodying at least one program of instructions executable by the computer to perform method steps of monitoring an execution of a query performed by a database system having a query coordinator and at least one data server, wherein the query execution comprises at least one execution thread, the method steps comprising the steps of:

for each thread, generating first execution trace information in the query coordinator, wherein the first execution trace information comprises an execution plan in terms of one or more operator trees;

for each thread, generating second execution trace information in the data server; and

writing the first execution trace information and the second execution trace information to at least one execution log file.

63.   (CANCELED)

64.   (PREVIOUSLY PRESENTED) The program storage device of claim 63, wherein the first execution trace information further comprises operator dispatch information, operator start times and operator stop times.

65.   (PREVIOUSLY PRESENTED) The program storage device of claim 62, wherein the second execution trace information includes a session identifier (ID) and a query ID.

66.   (PREVIOUSLY PRESENTED) The program storage device of claim 65, wherein the second execution trace information further includes, for each operator:

an identifier (ID) for the operator;

a start time stamp; and

a finish time stamp.

67.   (PREVIOUSLY PRESENTED) The program storage device of claim 66, wherein the start time stamp and the finish time stamp reference a logical time.

-6-

G&C 30145.344-US-01

68.   (PREVIOUSLY PRESENTED) The program storage device of claim 66, wherein the start time stamp and the finish time stamp reference a clock time.

69.   (PREVIOUSLY PRESENTED) The program storage device of claim 62, wherein the first execution trace information and the second execution trace information are written to a single file.

70.   (PREVIOUSLY PRESENTED) The program storage device of claim 62, wherein the first execution trace information and the second trace information are written to different files.

71.   (PREVIOUSLY PRESENTED) The program storage device of claim 62, further comprising the step of reconstructing the execution trace information from the log file.

72.   (PREVIOUSLY PRESENTED) The program storage device of claim 62, wherein the method steps further comprise the steps of:

accepting a presentation command;

reconstructing the execution trace information according to the thread ID, the time stamp and the presentation command; and

presenting the reconstructed execution trace information.

73.   (PREVIOUSLY PRESENTED) The program storage device of claim 62, wherein the method steps of generating first execution trace information in the query coordinator and generating second execution trace information in the data server is performed while executing the query.

-7-

74.   (PREVIOUSLY PRESENTED) The program storage device of claim 62, wherein the first execution trace information and the second execution trace information include a thread ID and a time stamp, and the method steps further comprise the step of:

      synchronizing the execution trace records according to the time stamp.

-8-

G&C 30145.344-US-01